AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device to generate pulsed motions, comprising:

(A) ~~Two~~ two parallel shafts (3; 4), each of said parallel shafts having a longitudinal axis (5; 6), ~~each having~~ a rear end (7; 8), and ~~each having~~ a front end (9; 10);

(B) a gear unit (2) comprising at least two gears (20; 21) , at least one of said ~~two~~ at least two gears (20) being oval gears and each gear (20; 21) being connected to one of the rear ends (7; 8) of the two shafts (3; 4);

(C) ~~Two~~ two arcuate drive levers (30; 31), each of said arcuate drive levers having a first end (32; 33) and ~~each having~~ at least one second end (34; 35), where each first end (32; 33) of the drive levers (30; 31) ~~are~~ is connected in rotatable manner with one respective front end (9; 10) of the two shafts (3; 4) about a first axis of rotation (11; 12); and

(E) a drive body (40) connected to the second ends (34; 35) of the drive levers (30; 31) so as to be rotatable about two second axes of rotation (13; 14), ~~characterized in that~~wherein

(F) ~~The~~ the drive body (40) is a polysomic body, ~~i.e. an oloid,~~

(G) ~~The~~ the legs of each arcuate drive lever (30; 31) subtend a plane (36;

37) and the second axes of rotation (13; 14) are situated in the planes (36; 37),

(H) ~~The~~ the two second axes of rotation (13; 14) are spaced a distance ~~A~~(A) apart

(I) at each drive lever (30; 31) the first axis of rotation (11; 12) and the second axis of rotation (13; 14) are separated by a gap (B)~~B~~, and

(J) wherein the distance (A) is equal to the gap (B)~~A = B~~.

2. (Currently Amended) ~~A~~ The device as claimed in claim 1, ~~characterized in that~~ wherein the first axes of rotation (11; 12) are transverse to the planes (36; 37).

3. (Currently Amended) ~~Device~~ The device as claimed in ~~either of claims 1 and 2, characterized in that~~ claim 1, wherein the second axes of rotation (13; 14) are mutually skewed.

4. (Currently Amended) ~~Device~~ The device as claimed in ~~one of claims 1 through 3, characterized in that it comprises~~ claim 1, further comprising drive elements (1) to rotatively drive at least one gear (20; 21) in the gear unit (2).

5. (Currently Amended) ~~Device~~ The device as claimed in ~~one of claims 1 through 4, characterized in that~~ claim 1, wherein the oval gears (20) exhibit a large semi-axis (a)~~a~~ and a small semi-axis (b)~~b~~ and ~~in that~~ wherein the shape of the oval is determined in that two mutually engaging gears (20) roll off one another at a constant axial separation in a positively~~, i.e. geometrically~~ locking manner.

6. (Currently Amended) ~~Device~~ The device as claimed in ~~one of claims 1 through 5, characterized in that~~ claim 1, wherein the distance between the axes of two mutually engaging oval gears (20) is composed of the sum of the large semi-axis (a)~~a~~ and the small semi-axis (b)~~b~~ of ~~these~~ the two oval gears (20).

7. (Currently Amended) ~~Device~~ The device as claimed in ~~one of claims 1 through 6, characterized at least~~ claim 1, wherein one oval gear (20) exhibits a ratio of its small semi-axis (b)~~b~~ to its large semi-axis ~~a~~(a) of $1/\sqrt{2}$.

8. (Currently Amended) ~~Device~~ The device as claimed in ~~one of claims 1 through 7, characterized in that~~ claim 1, wherein at least one oval gear (20) exhibits a ratio of its small semi-axis ~~b~~ (b) to its large semi-axis ~~a~~ (b) of 1/2.~~.~~

Claims 9-13 (Cancelled)